

An Analysis of Information Flow as a
Means for Predicting Future Trends in
Scientific Research, by V. V.
Kosolapov.

RUSSIAN, per, Nauchno--Tekhnicheskaya
Informatsiya. Seriya 2. Informatsionnye
Protsessy i Sistemy, No 6, 1967,
pp 3-7.

NTC 72-10229-05B

JPRS 43173 124p
Apr 72

Information Requirements and Qualitative Transformation of Information, by B. S. Bernshteyn,
12 pp.
RUSSIAN, per, Nauchno-tekhnicheskaya informatsiya,
seriya 2, Informatsionnyye protsessy i sistemy,
No 6, 1967, pp 8-11.
JPRS 43,173

USSR
Soc
Dec 67

346,259

Third All-Union Conference on Information Search
Systems and Automated Processing of Scientific
and Technical Information. 12 pp.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya.
Seriya 2. Informatsionnyye Protsessy i Sistemy,
No 6, 1967, pp 26-29.
AIR/PTD/AF-23-676-68

sci/electronics
may 69

381,165

Indexization of Symbol Repetition of Punch Cards
with Superimposed Coding in Information-Search
Systems, by L. Ya. Pirovich. 10 pp.
RUSSEZII, per, Nauchno-Tekhnicheskaya Informatsiya.
Cherlyu 2, Informatsionnye Portsessy i Sistemy,
No 7, 1967, p. 21-23.
RIP/TIN/IT-23-331-68 42676 606 KTC

sci/electronics
doc 69

398,652

Sources of Information Losses in Traditional IPS and Possibilities of their Compensation, by A. V. Sokolov.
RUSSIAN, per, Nauchno-Tekhn Informatsiya,
Ser 2, No 9, 1967, pp 26-33.
~~FTD-S-363~~

77 D. Special 263 65

Mar 69

375,415

The Development of Informatics in the USSR, by
A. I. Mikhaylov et al. 15 pp.
RUSSIAN, per, Nauchno-Tekh. Informatsiya,
Series 2, No. 11, 1967. pp 3-18.
Completed by JPRS (R-9359-0)

USSR
Sci/Hics
June 68

342,554

A Method of Information Retrieval in an
Array Indexed by Key Words with the Help
of a Thesaurus Compiled on the Basis of
a Study of the Queries of Specialists,
by A. V. Blek.
RUSSIAN, per, Nauchno-Tekh Informatsiya,
Ser 2, No 11, 1967, pp 26-32.
FTD-S-442

77-2 Special 89-49

Mar 69

378,067

Development of an Automated Information-
Research System on Chemistry and the
Chemical Industry, by V. B. Margaritov,
V. K. Sheluchenko.
RUSSIAN, per, Nauchno-Tekh Informatsiya,
Ser 2, No 11, 1967, pp 33-38.
FTD-S-455

Mar 69

378,078

Investigation of Scientific Journals as Communication channels. Appraising the Contribution of Individual Countries to the World Scientific Information Flow, by Z. B. Barinova et al.

25 pp.

RUSSIAN, per, Nauchno-Tekh. Informatsiya,

Series 2, No. 12, 1967. pp 3-11

Completed by JPIS (R-9359-10)

USSR

342,555

Sci/Misc

June 68

One of the Methods of Organizing the Information
Storage Unit of a System of Data Retrieval and
Processing (SPOD), by P. B. Askinazi,
I. I. Papina. 12 pp.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya.
Seriya 2, Informatsionnyye Protsessy i Sistemy
No 12, 1967, pp 37-39.
AIR/PTD/REF-24-196-69

sci/electronics
feb 70

401,074

Evaluation Criteria of Classification Systems,
by R. P. Vcherashiny, et al.
RUSSIAN, per, Nauchno-tehnicheskaya informatsiyy,
Seriya 2, Informatsionnyye Protessy i Sistemy,
No1, 1968, pp 13-19.
FTD HT Special 508-69

oct 69

395,387

On the Algorithm for the Annotation of Technical
Texts, by Ye. A. Anikina.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya,
Series 2, No 3, Mar 68, pp 7-9.
FTD IT Special 47-70

sci/
mar 70

404,427

Certain Results of an Experiment in the Compilation
of a Rotated Index on Punch-card Computers with an
Alphabetic Input, by S. M. Barbash.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya,
Series 2, No 6, June 1968, pp 21-23.
*FTD HT Special 106-70

May 70

REQUEST TR CHECK

9-3-4

BR70-12-210

Symposium on the design of machine (Automatic)
systems for translation from one language to
another and their application (Budapest, Oct
10-13, 1967)

V.I. Kuznetsov

Russ per: Nauchno-Tekhnicheskaya Informatsiya. Ser
iya 2, no 6, 1968, 28-30

*In process as**MT 24-84-70**Negative
Image*

The Pragmatic Aspect of Scientific Information
(Methodological Problems), by A. D. Ursul. 22 pp.
RUSSIAN, per, Nauch.-Tekh. Inform. Vses. Inst.
Nauchn. Tekn. Inform., Ser 2, Vol 8, 1968,
pp 3-8.
NASA TT-F-13404

July 71

Logic and Language of a Descriptor System for
Automatic Compilation of a Subject Index, by
R. N. Pushkarskaya.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya,
Seriya 2, No 12, 1968, pp 12-14.
FTD HT Special 364-70

Sci-Elec
Dec 70

Prospects for the Application of Cybernetics
and Computer Technology in a Scientific and Tech-
nical Information System, by O. V. Mamontov,
7 pp.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya,
Seriya 2, No 1, 1969, pp 3-5.
JPRS 47965

Sci-Cybernetics
May 69

381,608

Text-Semantic Modeling and the Request-Response
System, by G. M. Il'yin, B. M. Leikina, 15 pp.
RUSSIAN, per. Nauchno-Tekhnicheskaya Informatsiya,
Seriya 2, Moscow, No 1, 1969, pp 10-14.
JPRS 48092

Sci-Cyber
June 69

383,613

Methods of Organizaing Immediate-Access Memories
in Document Information Retrieval Systems, by
A. I. Chernyy, 15 pp.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatiya,
Seriya 2, Moscow, No 1, 1969, pp 15-20.
JPRS 48092

Sci-Cyber
June 69

383,614

A Classified Index to Organic Compounds, by
G. E. Vleduts.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informa-
tsiya, Seriya 2, No 1, 1969, pp 20-23.
NTC-71-15447-05B

Feb 72

An Experimental Algorithm for Translation From German
Into a Semantic Language, by T.I. Shed'ko.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya,
Seriya 2. No 1, 1969, pp 25-33
FTD-HT Special 71-40

Non-Manipulative Co-ordinate Indexes, by
A. I. Chernyy.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya.
Seriya 2. Informatsionnyye Protsessy i Sistemy,
No 2, 1969, pp 19-25.
FTD HT Special 180-70

Sci-Elec
Jul 70

Comments on the Article of I. M. Ignatova,
Y. M. Brusnikina and V. B. Margaritov, Entitled
"Linear Coding System for Storing Organic
Compounds in an Automated Information Retrieval
System for Chemistry and the Chemical Industry."
by G. E. Vleduts.

RUSSIAN, per, Nauchno-Tekhnicheskaya Informa-
tisiya, Seriya 2, No 2, 1969, pp 29.

NTC-71-15446-05B

Feb 72

The Experimental Evaluation of the Criteria of Semantic Conformity of a System for the Selective Dissemination of Information on the "BESM-2M" Electronic Digital Computer, by Ya. A. Shneyderman and A. V. Logunov. 32 pp.

RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya. Seriya 2. Informatsionnyye Protssesy i Sistemy (Scientific and Technical Information. Series 2. Information Processes and Systems), No 3, 1969, pp 5-12.
AIR/FTD/MT-24-316-70

July 71

Machine-Processing of Monolingual Dictionaries,
by F. Papp.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya
Seriya 2 Informatsionnyye Protsessy i Sistemy,
No 3, 1969, pp 20-29.
FTD HF Special 195-70

Sci-Elec
Jul 70

Semantic Characteristics of an Information Retrieval Language and Their Effect on Retrieval Results, by V. G. Ovchinnikov.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya
Series 2, No 4, 1969, pp 3-7.
FTD HT Special 361-70

Sci-Eelec
Dec 70

Experience in Constructing a Graph Which
Generates Certain Structures of a Simple
English Sentence, by A. I. Varshavskaya.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya,
Seriya 2, No 4, Apr 1969, pp 15-20.
FTD HT Special 363-70

Sci-Misc
Dec 70

Automatic Translation Into Information-Retrieval
Language with Textual Relations (Automatic In-
dexing), by Ye. F. Skorokhod'ko.
RUSSIAN, per, Nauchno-Tekh Informatsiya, Seriya
2, Informatsionnyye Protsessy i Sistemy, No 5,
1969, pp 3-6.

FTD HT Special 250-70

HT Special 250-70

Sci-Elec
Sep 70

An Information Retrieval Language for the Area of
Specialization and Cooperation in the Machine-
Building Industry, by Yu. L. Pokras.
RUSSIAN, per, Nauchno-Tekh Informatsiya, Seriya 2,
Informatsionnye Protsessy i Sistemy, No 5, 1969,
pp 12-15.
FTD HT Special 251-70

Sci-Mech
Sep 70

A Generalization of the Concept of Derivative Breakdown,
by A. Tryvulets. 10 pp.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya.
Seriya 2, Informatsionnye Protsessy i Sistemy, No 5,
1969, pp 18-21.
AIR/FTD-HC-23-557-70

Scientific and Technical Information. Series 2.
Information Processes and Systems (Selected Portions)
by Yu. I. Shemakin. 27 pp.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya.
Seriya 2. Informatsionnyye Protsessy i Sistemy.
No 6, 1969, pp 8-13 and 22
AIR-FTD-MT-24-317-70

july 71

The Common and Different Facets in Problems of
Associative Retrieval and Pattern Recognition,
by I. G. Sidorov.
RUSSIAN, per. Nauchno-Tekhnicheskaya Informatsiya,
Seriya 2, No 6, 1969, pp 14-16.
FTD HT Special 71-50

mar 71

On Automatic Thesaurus Construction, by
N. S. Ivanova.
RUSSIAN, per, Nauchno-Tekhn. Inform. Sb. Vses.
In-t Nauchn. i Tekhn. Inform., Seriya 2, No 6,
1969, pp 17-20, 31, 33.
FTD HT Special 347-70

sci
nov 70

Nauchno-Tekhnicheskaya Informatsiya. Seriya 2,
Informatsionnye Protessy i Sistemy
1969 No 7, pp 12-15
JPRS 49100

order from NTC

REQ TR CHECK

20-8-1

TP64

RELEVANCE IN INFORMATICS AND SCIENTOLOGY
KOZACHKOV L SUR: NAUCHNO-TEKHNICHESKAYA INFORMATSIYA.
SERIYA 2. INFORMATSIONNYE PROTSESSY I
SISTEMY, 1969, nr 8, pp 3-11*In process**MS-24-71-2026**negative
10 Sept 71*

Linear Coding System for Storage of Organic
Compounds in an Automated Information Retrieval
System for Chemistry and the Chemical Industry,
by I. M. Ignatova.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informa-
tsiya. Seriya 2, No 8, 1969, pp 23-28.
NTC-71-15449-05B

Feb 72

On the System of Semantic Synthesis. IV. Computer
Implementation of the Paraphrasing, by

N. G. Arsent'eva.

RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya
Seriya 2, Informatsionnye Protsess i Sistemy, No 8,
1969, pp 30-40.

FTD HT Special 365-70

Sci-Elec

Dec 70

The Reduction of Scans in the Minimization of
Dictionary Codes, by L. M. Frid. 30 pp.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya.
Seriya 2. Informatsionnyye Protsessy i Sistemy,
No 9, 1969, pp 24-30.
AIR/FTD-MT-24-1457-71

Feb 72

REQ TR CHECK

29-3-42

TA86

IMPROVEMENTS IN PUNCH AND VERIFIER OF
STANDARD PUNCH CARD COMPUTER
MOZURA A; KANTSLEIS A
UR: NAUCHNO-TEKH. / INFORM. SB. VSES.
IN-TA NAUCHN. I TEKH. INFORM, 1969,
pp 19-21, nr 10

In process

MT 24-71 1161

*Negative
24 Apr 71*

*Concerning the Question of Automatic Construction of
Automatic Indexing Algorithms for Systems of the
"Empty-Nonempty" Type, by V. S. Chernyavskiy,
D. G. Kalnitskiy. 22 pp.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya.
Seriya 2. Informatsionnyye Protsessy i Sistemy,
No 10, 1969, pp 24-28.
AIR/FTD-MI-24-276-70*

Analysis of Information Systems on the Basis of
Automatic Control Theory, by I. A. Dynin, 17 pp.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya;
Seriya 2, Informatsionnyye Protessy, Sistemy, No 10,
1969, pp 29-34.
ARM/FSTC/HT-23-649-72

June 72

Statistical Evaluation of Effectiveness of
Utilization of Scientific and Technical
Information, by V. V. Alpatov, 7 pp.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya, Moscow, Series 2, No 11, 1969,
pp 3-4.
JPRS 50236

Sci-Cybernetics
Apr 70

405,435

Accuracy of Typesetting Programs, by
A. S. Berlin.
RUSSIAN, per, Nauchno-Tekhnicheskaya
Informatsiya, Seriya 2. Informatsionny
Protsessy i Sistemy, No 12, 1969,
pp 33-36.
NTC 72-10219-05B

Apr 72

Scientific Information and Presenting, by
A. D. Grevil, K. V. Kuznetsov, 10 pp.
RUSSIAN, per. ~~Machine-Translated Information~~
Moscow, Seriya 2, No 1, 1970, pp 10-14,
JPRS 50718

Sci-Cybernetics
June 70

*The problem of the evaluation of retrieval systems, Part: I
by Scharnyavskiy, D. G. Lakhuti 41 pp.*

*RUSSIAN, per, Nauchno-tekhnicheskaya informatsiya. Seriya
2, Informatsionnyye protsessy i sistemy, No 1, 1970,
pp 24-34*

AIR/FTD-MT-24-1458-71

apr 78

Computer Implementation of the Argon-1
Information Retrieval System, by S. K. Kerimov.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informa-
tsiya. Seriya 2, No 3, 1970, pp 25-27.
NTC-71-15445-05B

Feb 72

✓
Some Results of Statistical Studies of a
Descriptor Language, by V. K. Vakhabov. 17 pp.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya.
Seriya 2. Informatsionnyye Protsessy i Sistemy,
No 4, 1970, pp 27-31.
AIR/FTD-MT-24-1456-71

Feb 72

REQ TR GEHCK

13-8-6

TP38

FREQUENCY DESTRUCTION OF THE SET OF
KEYWORDS

GOF KOVA V I

UR: INFORMATSIONNYY ANALIZ, SERIYA 2,
1970, nr 6, pp 3-8*ndI**In process**MS-24-71-1640 Negative
10 Sept 71*

E. A. Geivandov

Coding System for Organic Compounds.

RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya.

Seriya 2. Informatsionnye Protsessy i Sistemy,

No 6, 1970, pp 9-13

NTC 72-13448-07C

Oct 72

REQ TR CHECK

13-8-2

TP34

ON THE PRAGMATICS OF A DESCRIPTOR
LANGUAGE FROM AN ANALYSIS OF EMPIRICAL
MICROTHESAURI
SOKOLOV A V

UR: NAUCH.-TEKH INFORMATIYA. SERIYA 2,
nr 6, 1970, pp 14-21

In process as

MS-24-71-2063

*Negative
10. Sept 71*

Ye. Ya. Anikina

An approach to formal annotation of technical texts. 13pp

RUSSIAN, per, Nauchno-tekhnicheskaja informatsiya.

Seriya B. Informatsionnyye protsessy i sistamy, No 7,

1970, pp 10-14

AIR/FTD-MT-84-2061-71

sept 72

The Information Concept of Meaning, by
A. D. Ursul.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informa-
tsiya. Seriya 2, No 9, 1970, pp 3-9.
NTC-71-15442-05B

Feb 72

✓
Results of the Experimental Check of some Methods
of Automatic Construction of Classifications and
Indexing, by S. A. Karasev. 31 pp.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya.
Seriya 2. Informatsionnyye Protsessy i Sistemy.
No 11, 1970, pp 5-12.
AIR/FTD-MT-24-1455-71

Feb 72

Indexing Terms Having a General Root
Method of Formal Categorization of
Objective Descriptions, by V. V.
Otradinski.

RUSSIAN, per, Nauchno-Tekhnicheskaya
Informatsiya. Seriya 2. Informatsionnye
Protsessy i Sistemy, No 11, 1970,
pp 13-17.

NTC 72-10227-05B

Apr 72

Search for Compounds According to the
Fragments Involved in Cyclical Structures,
by E. A. Geivandov.

RUSSIAN, per, Nauchno-Tekhnicheskaya
Informatsiya. Seriya 2. Informatsionnye
Protsessy i Sistemy, No 11, 1970,
pp 25-27.

NTC 72-10217-05B

Apr 72

Automated Retrieval of Organic Compounds
of the Class of Polycyclical Conjugate
Systems by Fragments, by Z. A. Geivandov.
RUSSIAN, per, Nauchno-Tekhnicheskaya
Informatsiya. Seriya 2, Informatsionnye
Protsessy i Sistemy, No 12, 1970,
pp 29-33.
NTC 72-10216-05B

Apr 72

Problems of Coding Information on
Chemical Structures for Large-Scale
Information-Retrieval Systems, by
G. E. Vleduts.

RUSSIAN, per, Nauchno-Tekhnicheskaya
Informatsiya. Seriya 2. Informatsionnye
Protsessy i Sistemy, No 1, 1971,
pp 12-20.

NTC 72-10008-05B

Apr 72

Experience in the Debugging of an Automated
Information Retrieval System (IRS) for
Electrical Engineering, by S. G. Malinin,
22 pp.

RUSSIAN, per, Nauchno-Tekhnicheskaya Infor-
matsiya, Seriya 2, Informatsionnyye
Protsessy i Sistemy, No 1, 1971, pp 21-25
AIR/FTD-MT-24-1555-71

Mar 72

Experimental Algorithm for Automatic Translation
of English Patents into Russian, by
A. I. Vasilovskiy, S. K. Povelotskaya, 23 pp.
RUSSIAN, par. Naučno-Tekhnicheskaya Informatsiya,
Moscow, No 1, Ser 2, Jan 1971, pp 29-34.
JPRS 52915

Sci-Cybernetics
Apr 71

The Thesaurus in Informatics and Theoretical
Semantics, by Yu. A. Shreider.
RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya.
Seriya 2. Informatsionnye Protsessy i Sistemy,
No 3, 1971, pp 21-24.
NTC 72-14480-05B
NLL - RTS 6886

Jan 73

A Method of Increasing the Accuracy and Speed
of a Digital Integrator, by V. V. Kikhimov,
T. M. Andreyeva. 9 pp.
RUSSIAN, per, Nauchno-Tekhnicheskaya Konferentsiya po Avtomaticheskoy Upravleniyu i Elementam Vychislitel'noy Tekhniki. Materialy, 1965,
No 8, 1967, pp 78-85.
AIP/TID/HQ-23-705-68

sci/electronics
May 69

389,115

Results and Prospects of Medico-Geographic
Cartography in the USSR, by Ye. I. Ignat'yev,
RUSSIA., Nauchno-Tekhnicheskaya Konferentsiya
po Kartografii, Ed 1966
Tematicheskoye Kartografirovaniye v SSSR,
pp 140-147, 1967.
ACSI-K-0894

Dec 71

An Attempt of Using the Regional Method in
Medico-Geographical Mapping, by Ye.S. Fel'dman,
13 pp.

RUSSIAN, per. Nauchno-Tekhnicheskaya Konfer-
entsiya po Kartografii, 1966.

Tematicheskoye Kartografirovaniye v SSSR,
1967, pp 145-152.

ACSI-K-0891

Apr 72

Influence of Redundancy on Reliability of
Systems, by V. V. Naumchenko.
RUSSIAN, per, Nauchno-Tekhnicheskaya Konferentsiya
Po Sredstvam Promyshlennoy Telemekhaniki Moscow
Promyshlennaya Telemekhanika; Materialy Konfer-
entsii, 1966, pp 1-7.
F100044968-V
FTD-MT-24-149-67

Sci/Tech, Indus, Civ & Mar Engr
Mar 68

351,166

Self-Control, Self-Correction, and Self-Repair
in Telemechanical Devices, by A. N. Radchenko.
RUSSIAN, per, Nauchno-Tekhnicheskaya Konferentsiya
Po Sredstvam Promyshlennoy Telemekhaniki Moscow
Promyshlennaya Telemekhanika; Materialy Konfer-
entsii, 1965, pp 8-22.
P100044968-V
FTD-MT-24-149-67

Sci/Ech, Indus, Civ & Mar Engr
Mar 68

351,167

Effect of Redundancy of System Reliability,
by V. V. Naumchenko.
RUSSIAN, rpt, Nauchno-Tekhnicheskaya Konferentsiya
po Sredstvum Promyshlennoy Telemekhaniki 1963
Promyshlennaya Telemekhanika, Materialy Konferentsii,
Izd-vo Energiya, 1966, pp 110-118.
*FID MT-24-149-67

Sci-Elec & Elec Engr
Aug 67

328,429

Decoding Method for Cyclic Codes, Correcting
Multiple Matches of Errors, by
R. F. Megrelishvili, 5 pp.
RUSSIAN, rpt, Nauchno-Tekhnicheskaya
Konferentsiya po Sredstvam Promyshlennoy
Telemechaniki. Materialy Konferentsii.
"Promyshlennaya Telemechanika", 1966,
pp 160-164. F100267868-V
FTD-MT-23-569-67

Sci/Elect
Nov 68

366,990

Self Control, Self Correction and Self Repair
in Telesystems, by A. N. Radchenko.
RUSSIAN, rpt, Nauchno-Tekhnicheskaya Konferentsiya
po Sredstvam Promyshlennoy Telemekhaniki, 1963.
Promyshlennaya Telemekhanika, Materialy Konferentsii
Izd-Vo Energiya, 1966, pp 165-182.
*FTD MT-24-149-67

Sci-Nav Communications
Aug 67

326,428

Certain Questions of the Interaction of a
Digital Computer With a Control Device, by
A. G. Melov. 15 pp.
RUSSIAN, per, Nauchno-Tekhnicheskaya Koment-
siya po Trudam Elekt. Ist. 1965. Materialy,
NO 2, 1966, pp 309-319.
AIR/ETD/41-24-321-68

sci/electronics
apr 69

360,069

Centralized System for Assembly and Processing
of Information (SOPI), by M. N. Ivanov,

V. I. Kadachevich, 22 pp.

RUSSIAN, per. Nauchno-Tekhnicheskaya Konfer-
entsiya po Yadernoy Radioelektronike, 6th
Moscow, 1965. Trudy. Analizatsiya. Elektron-
pleniye i Obrabotka Informatsii, Vol 3, 1965,
pp 110-136. P100245668-V

FTD-MT-24-350-67

Sci.-Elec

Oct 68

367,508

It is Impossible to Conceal an Atomic
Explosion, by Yu Trbchinski, 12pp.
RUSSIAN, per, Nauchno-Tekhnicheskie
Obshchestva, Vol 4, No 10, pp 44-50.
CFSTI UCRL-Trans-1037 (L).

322,620

Sci - Mechanical, Industrial,
Civil and Marine Engineering
Mar 67

The Silvery Cigars (Dirigibles) Are
Being Prepared for Operation, by
Yu. Iskhriyev, 10 pp.
Moskva, per. Nauchno-Tekhnicheskoye
Obshchestvo, No 4, 1965, pp 43-45.
0098611
PIT-TT-55-734

Sci - Aero
NOV 65

201,005

Steps Above the Earth: (Data on Leonov's
"Walk in Space"), by A. Yefim'yev.
RUSSIAN, per, Mashino-Tekhnicheskoye
Obshchestvo SSSR, 1965, No 5(77),
pp 6-8.
*FTD-HT-66-443

Sci-Aero/E. Sci
Jul 68

Utility Aircraft, by B. L'yanov,
7 pp.
RUSSIAN, per, Nauchno-Tekhnicheskiye
Obshchestva SSSR, Vol. 88, No. 4,
1969, pp. 30-33.
AIR/FTD/HT-23-122-70

FEB 71

Technical Specialists Confer on New Five-Year
Plan, 8 pp.
RUSSIAN, per, Nauchnyye i Tekhnicheskiye
Obshchestva, Moscow, No 7, 1969, pp: Inside
Front Cover to page 3.
JPRS 48786

USSR
Econ
Sept. 69

301 212
391 818

Electronic Diagnostics,
RUSSIAN, per. Nauchno-Tekhnicheskiye Obshch-
estvaSSSR, No 2, Feb 1970, pp 2.
*ACSI-K-0909

Dec 71

Some Data on the Electroconductivity of Zirconium
Dioxide Stabilized with Calcium Oxide in the
Temperature Interval 600-1000°C, by

I. A. Leonis, G. P. Kallip, et al. 3 pp.

RUSIAN, rpt, Nauchno-Tekhnicheskoye Ispy-
chestvo Khimii Stalimidi. Moskovskoye
Pravleniye. Vysokomouchnyye Materialy, 1966
pp 110-115.

AT/110/AT-23-1120-66

sci/materials
jan 70

399,855

Aerodynamic theory of Jets and Flares, by
L. A. Valis. 19 pp.
RUSSIAN, per, Audino-Tekhnicheskoye Obshchestvo
Energeticheskoy Promyshlennosti. Tsentral'noye
Pravleniye. Sektsiya Gruzinkatsii. Teoriya i
Praktika Szhiganiya Gaza, Vol 3, 1967, pp 5-19.
AIR/ETD/ 14-24-274-68

sci/propulsion and fuels
May 69

381,237

Investigation of Free Supersonic Jet, by
L. V. Anseyeva, L. V. Anseyev, et al. 15 pp.
USSR, per, Aviatsionno-Tekhnicheskoye Oshcheshche
Energeticheskoy Promyshlennosti, Tsentral'noye
Pravleniye, Aviatsiya Gruzinskatsii. Teoriya i
Praktika Aviatsiya iz Leningrad, Vol 3,
1967, pp 56-69
AIR/MD/AL-23-990-68

Sci/ propulsion and fuels
nov 69

397,282

The Effect of Crossed Electrical and Magnetic Fields on the Aerodynamics and Thermal Regime of a Gas Flame Cone, by L. P. Yarin, 9 pp.

RUSSIAN, por, Nauchno Tekhnicheskoye Obshchestvo
Energeticheskoy Promyshlennosti Tsentral'noye
Pravleniye -- Sektsiya Gazifikatsiy -- Teoriya i
Praktika Szhiganiya Gaza, Vol 3, 1967, pp 128-135.

ACSI J-7686

FSTC-IIT-23-86-70

Sci/Elect
Apr 70

405,632

Macrokinetic Characteristics of Turbulent Flames
(Kinetic Basis of the "Pulsating Ignition
Mechanism"), by A.S. Sokolik, V.P. Karpov. 23 pp.
RUSSIAN, per, Nauchno Tekhnicheskoye Obshchestvo
Energeticheskoy Promyshlennosti. Tsentral'noye
Pravleniye. Sektsiya Gazifikatsii. Teoriya i
Praktika Svyaznaya Gaza, Vol 3, 1967,
pp 150-167.
AIR/ETD/ET-24-289-68

sci/propulsion and fuels
may 69

381,218

The Mechanism of Turbulent Combustion, by
A. M. Elisev. 7 pp.
KONSTANT, rpt., Nauchno-Tekhnicheskoye Obshchestvo
Energeticheskoy Promyshlennosti Tsentral'nogo
Pravleniye. Sektsiya Kvalifikatsii. Teoriya i
Praktika Stihvaniya Gaza, 1967, pp. 167-172.
AIR/MD/AT-23-1407-68

sci/ combustion and fuels
nov 69

397,975

Principles and Methods of Flame Modeling in
Gas Turbine Combustion Chambers, by
N. S. Vinogradov. 24 pp.
RUSSIAN, rpt, Nauchno-Tekhn. Obshchestvo Energi
Prom Tsentr Pravitelstva. Sektsiya Gazifikatsiy.
Teoriya i Praktika Szhiganiya Gaza, 1957,
pp 215-234.
AIR/FTD/MT-24-523-68

Sci-Prop & Fuels
Nov 69

395,892

The Mechanism of Oscillatory Combustion of a
Gas, by G. G. Kojinskiy. 15 pp.
Abstract, per, Nauchno-Tekhnicheskoye Obshchestvo
Energeticheskoy Promyslennosti. Tsentral'noye
Pravleniye. Sektsiya Kvalifikatsii. Teoriya i
Praktika Razvitiya Gaza, Vol 3, 1967, pp 261-271.
Aly/Ph/ 1-24-274-68

sci/propulsion and fuels

Some Features of the Development and Combustion of
a Gas Jet in the Circulation Zone Behind a Stabili-
zer, by V. A. Khristich and G. N. Lyubchik. 16 pp.
RUSSIAN, rpt, Nauchno-Tekhnicheskoye Obshchestvo
Energeticheskoy Promyshlennosti. Teoriya i
Praktika Szhiganiya Gaza, Vol 3, 1967, pp 293-295.
AIR/FTD/MT-24-244-70 385

314

April 71

Velocity and Temperature Distribution in a System
of Plane Jets, by M. A. Izyumov, D. M. Khzmalyan.
19 pp.

RUSSIAN, per, Nauchno-Tekh Obshch Energet Promy.
Tsent Pravleniye. Sektsiya Gazifikatsiy. Teoriya
i Praktika Szhiganiya Gaza, Vol 4, 1968, pp 25-39.
AIR/FTD/MT-24-393-69

Sci-
June 70

Aerodynamics of Gas Combustion, by
Yu. I. Izrael'sev. 20 pp.
MOSKVA, URSS, Nauchno-Tekhnicheskoye Obshchestvo
Energeticheskoy Promyshlennosti. Tsentral'noye
Pravleniye. Sektsiya Gazi i Katsii. Sazonab-
zheniye i Ispol'zovaniye Gaza v 1968. Leningrad,
1968, pp 17-51.
AIR/130/23-241-69

sci/prog and fuels:
apr 70

405,868

Period of Combustion and Heat Exchange in the
Combustion of Gaseous Fuel, by A. S. Isserlin,
M. I. Pevzner, 27 pp.
RUSSIAN, bk, Nauchno-Tekhnicheskoye Obshchestvo
Energeticheskoy Promyshlennosti, Tsentral'noye
Pravleniye. Sektsiya Gazifikatsiy Gazosnabzheniye
i Ispol'zovaniye Gaza V SSSR, 1968, pp 52-71.
ARM/FSTC/ITT-23-548-69

Sci/Prop&Fuels
Nov 69

396,932

Aerodynamics of a Turbulent Diffusion Flame
Developing in Cocurrent Coaxial Jets, by
Sh. Z. Yershin, V. N. Voychak. 14 pp.
RUSSIAN, rpt, Nauchno-Tekhnicheskoye Obshchestvo
Energeticheskoy Proyshlemosti. Tsentral'noye
Pravleniye. Sektsiya Gaziifikatsii. Teoriya i
Praktika Szhiganiya Gaza, 1968, pp 73-87.
AIR/PTD/HT-23-247-69

sci/physics
Feb 70

402,771

The Physical Model of Flareholding on Blunt
Bodies, by Ye. S. Shchetnikov. 11 pp.

RUSSIAN, rpt, Nauchno-Tekhnicheskoye Obshchestvo
Energeticheskoy Prorvshennosti. Tsentral'noye
Pravleniye. Sektsiya Gzifikatsii. Teoriya i
Praktika Snizheniya Gaza, 1968, pp 95-105.

AIR/FTD/TF-23-247-69

sci/propulsion and fuels
feb 70

402,772

Development and Stability of a Diffusion Gas
Flame in the Wake of Transverse Air Jets, by
V. A. Kristich, A. P. Inyaylo. 9 pp.
RUSSIAN, rpt, Nauchno-tekhnicheskoye Obshchestvo
Energeticheskoy Promyslennosti. Tsentral'noye
Pravleniye, Sektsiya Kazifikatsii. Teoriya i
Praktika Szhiganiya Gaza, 1968, pp 105-115.
AIR/TID/IT-23-247-69

Ex 470

100 773

Centralized Control and Automatic Punching in
a System of Overall Automation of Experimental
Works, by V. T. Ilyukhin, V. D. Poletayev,

9 pp.

RUSSIAN, rpt. Nauchno-Tekhnicheskoye Obschestvo
Mashinostroyeniya i Promyshlennosti, Turbo-
porahenyevye Dvigateli, Sbornik Statey, 1965,

pp 272-281. F100242538-V

FTD-ME-24-319-67

Sci-Elec
Oct 68

367,522

Problems of Applied Gyroscopy (Selected Articles). 54 pp.

RUSSIAN, per, Nauchno-Tekhnicheskoye Obshchestvo Priborostroitel'nov Promyshlennosti, Leningradskoye Oblastnoye Pravleniye Voprosy Prikladnoy Giroskopii, No 4, 1968, pp 33-57, 69-87.

AIR/FTD/HC-23-436-69

sci
nov 70

Questions in the Designing and Methods of
Computing Parameters of Superlong-Wave and
Long-Wave Antennas, by B. V. Braude and Ye.
G. Aleksandrova.

RUSSIAN, per, Nauchno-Tekhnicheskoye Obshchestvo
Radiotekhniki i Elektrosvyazi. Antennaya Sektsiya.
Antenny, 1966, 25 pp.

AIR/FTD/IT-23-1504-67

Sci-Elec. & Elec. Eng.

Feb 69

An Analysis of Electrically Controlled
Phased-Array Antennas on the Presence of
Mismatch Between Radiators and the Phas-
ing System, by Yu. N. Bruk.

RUSSIAN, per, Nauchno-Tekhnicheskoye
Obshchestvo Radiotekhniki i Elektrosvyazi
Antennaya Sektsiya. Antenny, No 2, 1967,
pp 94-116.

AIR/FTD/NT-24-284-68

Sci-Elec
Apr 69

379,540

Phase Correction on a Small Reflector in a Double
Reflector Antenna, by L. D. Bakhramov. 13 pp.
RUSSIAN, per, Nauchno-Tekh Obshch Radiotekh i
Elektronika - Antennaya Sektsiya, No 2, 1967,
pp 166-178.
ACSI J-7684
FSTC-HT-23-251-70

Sci-Elec
Jul 70

Effect of Interelement Mutual Coupling on Radiation
Pattern of Linear Antenna in Electric Scanning, by
A. A. Piotrovskiy. 11 pp.
RUSSIAN, rpt, Nauchno-Tekh Obshchestvo Radiotekh
i Elektrosvyazi, 1968, pp 39-48. 203
ACSI J-7584
FSTC-HT-23-258-70

Sci-Nav
Jul 70

The Five Meter Millimeter Spherical Antenna,
by P. M. Geruni, 21 pp.
RUSSIAN, per, Nauchno-Tekhnicheskoye Obshchestvo
Radiotekhniki Elektrosvyazi. Antennaya Sektsiya.
Antenny, No 4, 1968, pp 3-15.
Tr No 80, April 1970
AIR/AFCL/70-0278

Sci/Elect
Sept 70

Application of the Methods of Coherent Optics
and Holography to the Problems of Antenna
Engineering and Data Processing.
RUSSIAN, per, Nauchno-Tekhnicheskoye Radio-
tekhnika i Elektrosvyazi (Antennaya Sektsiya),
No 2, Feb 1969, pp 33-54.
ACSI-J-7187
FSTC-INT-23-081-70

Sci-Mlec
Oct 69

393,281

Investigation and Development of Optical Modulators,
by I. V. Parshin, M. M. Koblova, 7 pp.
RUSSIAN, rpt. Nauchno-Tekhnicheskoye Obschestvo
Radiotekhniki i Elektrosvyazi. Tsentral'noye
Pravleniye. Vsesoyuznaya Nauchnaya Sessiya,
Posvyashchennaya - Dnyu Radio. 22d. Sektziya
Kvantovoy Elektroniki, 1966, pp 33-40.
P100171668-V
FTD-IT-24-222-67

Sci/Phys
Aug 68

364,763